

# Construction & Demolition Materials

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# General Points

- C&D Fines
- Concrete, Gypsum Drywall, Wood, and Asphalt Shingles
- Asphalt, Metals, OCC, Plastics
- How Much is Out There?
- Not the Hidden Waste Stream Anymore



# Concrete



# Uses For Recycled Concrete

- Unbound Fill
- Erosion Control
- Aggregate for Asphalt Mixtures
- Aggregate for Concrete Mixtures
- Normal Aggregate Uses

[www.concreterecycling.org](http://www.concreterecycling.org)





# Barriers To Use

- Contaminant Questions
- Economics
- Stubbornness
- Inconsistent Quality
- 140 Million Tons Annually

# Gypsum Drywall

QuickTime™ and a  
TIFF (Uncompressed) decompressor  
are needed to see this picture.

# Uses For Recycled Drywall

- Land Application
- Beneficial or Benign Use
- Regional
- Compost
- New Wallboard
- Portland Cement
- Animal Bedding



[www.drywallrecycling.org](http://www.drywallrecycling.org)

QuickTime™ and a  
TIFF (Uncompressed) decompressor  
are needed to see this picture.

# Barriers To Use

- Economics
- Plentiful
- Regulator Cluelessness
- Contaminants
- Most Difficult Material In C&D To Recycle

# Wood





# Uses For Recycled C&D Wood

- Fuel
- Mulch
- Compost/Animal Bedding
- MDF/OSB
- Large Volume of Material

# Wood Recycling



# Barriers To Use

- How Much Time You Got?
- Regulations and Legislation
- GHG, Stack Emissions
- Contaminants
- Regional Markets
- Lack of Value-Added Outlets



# Asphalt Shingles



# Uses For Recycled Shingles

- Hot Mix Asphalt
- Cold Patch
- Dust Control On Rural Roads
- Temporary Roads Or Driveways
- Aggregate Road Base
- New Shingles
- Fuel

[www.shinglerecycling.org](http://www.shinglerecycling.org)



# Barriers To Use

- Questions On Contaminants
- Asbestos, PAHs
- Regulator Reluctance/Overkill
- Difficult Material To Process
- Economics Can Be Favorable

# Challenges

- Surface Transportation Board
- C&D Fines
- Lack of Markets, Need Government Helps
- Educate Regulators, Legislators



# Thank You



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